

ORNL Status Report

Achievements, Challenges, Issues

SC Facilities and Infrastructure_Workshop

June 7-8, 2005

Karla Gaither, ORNL
Chuck Spoons, ORO

Materials at the molecular scale

Delivered



Advanced Microscopy Lab (GPP)



Engineering Technology Facility (Private)

In Progress



Center for Nanophase Materials Sciences (BES)



Spallation Neutron Source (BES)



HFIR Cold Source (BES)

Planned



Joint Institute for Neutron Sciences (State)



Materials Processing Lab (GPP)

Systems approach to biology

Delivered



Functional Genomics Lab (BER)



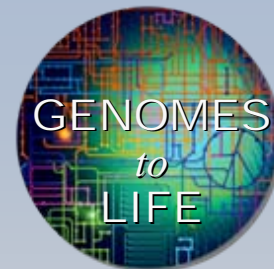
Life Sciences Lab (GPP)

In Progress



Joint Institute of
Biological Sciences (State)

Planned



Genomes to Life Facility (BER)



Free-Air CO₂ Enrichment Facility
(FACE) expansion

Energy security and independence

Delivered



National Transportation
Research Center (Private)



Multi-Program High-Bay (GPP)



Upgraded office
Building 3156
(G&A)

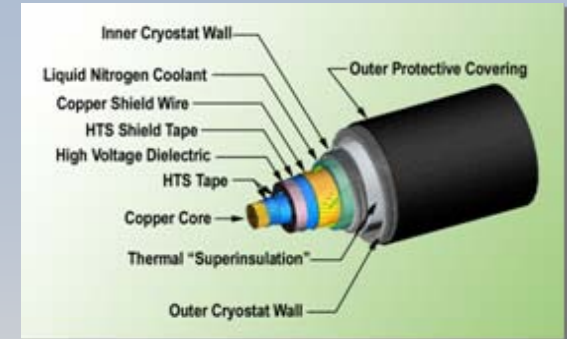


National
Transmission
Technology
Research Center
(EERE)



Energy Systems Test Area
upgrade (G&A)

Planned



4-km Superconducting
Test Loop (EERE)

Simulation and modeling at scale

Delivered



Computational Sciences Building (Private)



Joint Institute of Computational Sciences (State)



High-Speed Network

In Progress



National Leadership Computing Facility



Visualization Laboratory

Planned

Support infrastructure ...

Delivered



Research Office Building (Private)



Research Support Center (SLI)



Oak Ridge Center for
Advanced Studies (State)

Water Cutter (GPE)



Central Utilities
Plant (Private)



Library
upgrade
(GPP)

In Progress



Multiprogram Research
Facility (Private)

Planned



User Housing Facility
(Private or GPP)

OAK RIDGE NATIONAL LABORATORY
U. S. DEPARTMENT OF ENERGY

UT-BATTELLE

General budget pressures and other factors could affect our ability to deliver a 21st Century campus

Infrastructure Issues

- **Decaying infrastructure;**
for example, waste management systems and Materials and Chemistry Laboratories
- **Excess nuclear facilities**
- **Legacy material**
- **Open campus with post 9/11 security**

Strategy

- **Seek efficiencies to drive down operational costs**
- **Take full advantage of IGPP**
- **Accelerate nuclear consolidation and Central Campus cleanup**
- **Consolidate classified work**

